CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended)** A hydraulic motor vehicle gearbox control device comprising :

a plastic hydraulic distribution plate having channels therethrough for the distribution of hydraulic fluid to cool circuit electronics of an electronic control unit housed on said plate, said plate having electric conductors embedded therein~~, and/or metallized on the surface thereof~~.

2. **(Currently Amended)** The hydraulic motor vehicle gearbox control device according to Claim 1, wherein

- the conductors embedded in the hydraulic distribution plate are encapsulated **and selected from the group consisting of** ~~or~~ sprayed metal wires, pins, strips or punched lattices.

3. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 1, wherein

- the hydraulic distribution plate is configured as an injection molded MID circuit support.

4. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 1, wherein

- the conductors extend between an electronic control unit module secured on the hydraulic distribution plate and at least one solenoid valve for the hydraulic control system.

5. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 1, wherein

- the conductors extend between an electronic control unit module secured on the hydraulic distribution plate and a gearbox connector attached to the distribution plate.

6. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 4, wherein

- the electronic control unit module is in contact with the electric conductors via a flexible circuit board.

7. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 4, wherein

- a channel is arranged for hydraulic fluid in the hydraulic distribution plate adjacent to the electronic control unit module.

8. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 4, wherein

- the electronic control unit module has a metal base plate, which is cast in the hydraulic distribution plate.

9. (Previously Presented) The hydraulic motor vehicle gearbox control device according to Claim 4, wherein

- a section of the surface of the hydraulic distribution plate forms a base plate for the electronic control unit module, and

- a circuit support of the electronic control unit module is secured directly onto this section of the surface of the hydraulic distribution plate.

10. (Previously Presented) A method for manufacturing a hydraulic motor vehicle gearbox control device comprising the steps of:

- providing a plastic hydraulic distribution plate with channels therein for the distribution of hydraulic fluid, said plate adapted to receive an electronic control unit whereby an electronic circuit of said unit is cooled by the distribution of fluid through said plate channels and

-integrating electric conductors into the hydraulic distribution plate by spraying, encapsulating, mortising, or sticking.

11. (Previously Presented) The method according to Claim 10, wherein

- the conductors are integrated into the hydraulic distribution plate by means of an MID method.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Previously Presented) An integrated hydraulic cooling fluid/signal and power distribution device for motor vehicle gearbox control systems, said device comprising:

a plastic plate having (i) channels extending therethrough for the receipt of hydraulic fluid, and (ii) electrical conductors structurally integrated therein and/or thereon, said plate comprising an integrated metal base plate adapted for receipt of an electronic control unit for said gearbox control system, said unit comprising an electronic circuit for electrical communication with said conductors, said circuit cooled by fluid passing through said channels extending through the plate, wherein the channels are in contact with the metal base plate.

17. (Cancelled)

18. (Cancelled)

19. (Previously Presented) A device according to claim 16, wherein the electronic circuit of the electronic control unit is in electrical communication with the conductors via a flexible circuit board.

20. (Previously Presented) A device according to claim 16, wherein the conductors are encapsulated or sprayed metal wires, pins, strips, or punched lattices.

21. (Previously Presented) A device according to claim 16, wherein the plastic plate is an injection molded MID circuit support.

22. (Previously Presented) A device according to claim 16, wherein the conductors extend between an electronic control unit module secured on the plastic plate and at least one solenoid valve.

23. (Previously Presented) A device according to claim 16, wherein the conductors extend between an electronic control unit module secured on the plastic plate and a gearbox connector attached to the plastic plate.

24. (Previously Presented) A device according to claim 22, wherein a channel is arranged for hydraulic fluid in the plastic plate adjacent to the electronic control unit module.

25. (Previously Presented) A device according to claim 22, wherein the metal base plate is cast in the plastic plate.

26. (Previously Presented) A device according to claim 16, wherein a surface section of the plastic plate forms a base plate for an electronic control unit module, and a circuit support of the electronic control module is secured onto this surface section of the plastic plate.

27. (New) The hydraulic motor vehicle gearbox control device according to Claim 1, wherein the electric conductors are metallized on the surface of the plate.

28. (New) A hydraulic motor vehicle gearbox control device comprising :

a plastic hydraulic distribution plate having channels therethrough for the distribution of hydraulic fluid to cool circuit electronics of an electronic control unit housed on said plate, said plate having electric conductors metallized on the surface thereof.